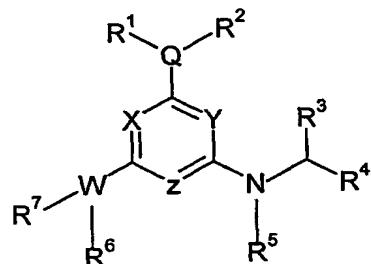


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Claims:

1. A compound of formula (I) or a pharmaceutically acceptable salt thereof:



5

(I)

wherein:

- Q is C, CH or N;
 - W is N or S, when W is S, R⁶ is not present;
 - X is C or N, provided that when Y and Z are C, X is N;
 - Y is C or N, provided that when X and Z are C, Y is N;
 - Z is C or N, provided that when X and Y are C, Z is N;
 - R¹ and R² are at each occurrence independently selected from H, CH₃, optionally substituted C₁₋₆alkyl, optionally substituted carbocycle, or optionally substituted heterocycle; or R¹ and R² in combination can form an optionally substituted heterocycle, or an optionally substituted carbocycle;
 - R³ is selected from H, or optionally substituted C₁₋₆alkyl;
 - R⁴ is selected from H, optionally substituted C₁₋₆alkyl, -C(=O)OCH₃, optionally substituted carbocycle, -C(=O)NH(CH₂)heterocycle, or -C(=O)NH(CH₂)CH₃;
 - R⁵ is selected from H, or CH₃;
 - R⁶ is selected from H;
 - R⁷ is selected from optionally substituted carbocycle.
2. A compound of claim 1, wherein:
- 25 Q is N.
3. A compound of claim 1, wherein:

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W is S, and R⁶ is not present.

4. A compound of claim 1, wherein:

X is C.

5

5. A compound of claim 1, wherein:

Y is N.

10

6. A compound of claim 1, wherein:

Z is N.

15

7. A compound of claim 1, wherein:

R¹ and R² are at each occurrence are independently selected from H, or optionally substituted carbocycle, or optionally substituted heterocycle.

15

8. A compound of claim 1, wherein:

R³ is an optionally substituted C₁₋₆alkyl.

20

9. A compound of claim 1, wherein:

R⁴ is -C(=O)NH(CH₂)heterocycle.

25

10. A compound of claim 1, wherein:

R⁵ is selected from H.

25

11. A compound of claim 1, wherein:

R⁷ is an optionally substituted carbocycle.

12. A compound of claim 1, wherein:

Q is N or C;

30

W is S, and R⁶ is not present;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

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R¹ and R² are at each occurrence independently selected from H, or optionally substituted carbocycle; or optionally substituted heterocycle or optionally substituted C₁₋₆alkyl;

R³ is selected from H, or optionally substituted C₁₋₆alkyl;

5 R⁴ is selected from H, -C(=O)NH(CH₂)heterocycle or optionally substituted carbocycle;

R⁵ is selected from H;

R⁷ is selected from optionally substituted carbocycle.

10 13. A compound of claim 1, wherein:

Q is N or C;

W is S, and R⁶ is not present;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

15 Z is C or N, provided that when X and Y are C, Z is N;

R¹ and R² are at each occurrence independently selected from H, or optionally substituted carbocycle; or optionally substituted heterocycle or optionally substituted C₁₋₆alkyl;

R³ is selected from H, or optionally substituted C₁₋₆alkyl;

20 R⁴ is selected from H, or -C(=O)NH(CH₂)heterocycle;

R⁵ is selected from H;

R⁷ is selected from optionally substituted carbocycle.

14. A compound of claim 1, wherein:

25 Q is N or C;

W is S, and R⁶ is not present;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

30 R¹ and R² are at each occurrence independently selected from H, or optionally substituted carbocycle; or optionally substituted heterocycle;

R³ is selected from H, or optionally substituted C₁₋₆alkyl;

R⁴ is selected from H, -C(=O)NH(CH₂)heterocycle;

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R⁵ is selected from H;

R⁷ is selected from optionally substituted carbocycle.

15. A compound of claim 1, wherein:

5 Q is N or C;

W is S, and R⁶ is not present;

X is C or N;

Y is N;

Z is N;

10 R¹ and R² are at each occurrence independently selected from H, or optionally substituted carbocycle; or optionally substituted heterocycle;

R³ is selected from H, or optionally substituted C₁₋₆alkyl;

R⁴ is selected from H, -C(=O)NH(CH₂)heterocycle;

R⁵ is selected from H;

15 R⁷ is selected from optionally substituted carbocycle.

16. A compound of claim 1, wherein:

Q is N;

W is S, and R⁶ is not present;

20 X is C or N;

Y is N;

Z is N;

R¹ and R² are at each occurrence independently selected from H, or optionally substituted carbocycle; or optionally substituted heterocycle;

25 R³ is selected from H, or optionally substituted C₁₋₆alkyl;

R⁴ is selected from H, -C(=O)NH(CH₂)heterocycle;

R⁵ is selected from H;

R⁷ is selected from optionally substituted carbocycle.

30 17. A compound of claim 1, wherein:

Q is N;

W is S, and R⁶ is not present;

X is C;

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Y is N;

Z is N;

R¹ and R² are at each occurrence independently selected from H, or optionally substituted carbocycle; or optionally substituted heterocycle;

5 R³ is selected from H, or optionally substituted C₁₋₆alkyl;

R⁴ is selected from H, -C(=O)NH(CH₂)heterocycle;

R⁵ is selected from H;

R⁷ is selected from optionally substituted carbocycle.

10 18. A compound according to claim 1 selected from:

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(2-hydroxypropyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-{4-[(3-fluorophenyl)amino]-6-morpholin-4-yl-1,3,5-triazin-2-yl}-L-leucinate;
(2R)-2-(4-[(3-fluorophenyl)amino]-6-[(3-methoxypropyl)amino]-1,3,5-triazin-2-yl}amino)-

15 4-methylpentan-1-ol;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxybenzyl)amino]-1,3,5-triazin-2-yl}-D-leucinate;

Methyl N-{4-[(cyclopropylmethyl)amino]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-D-leucinate;

20 Methyl N-{4-[(3-fluorophenyl)amino]-6-[(3-methoxypropyl)amino]-1,3,5-triazin-2-yl}-D-leucinate;

(2R)-2-(4-[(cyclopropylmethyl)amino]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}amino)-4-methylpentan-1-ol;

25 Methyl N-{4-[(3-fluorophenyl)amino]-6-[(tetrahydrofuran-2-ylmethyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-(4-[(3-fluorophenyl)amino]-6-[[3-(1H-imidazol-1-yl)propyl]amino]-1,3,5-triazin-2-yl)-L-leucinate;

Methyl N-{4-[(2-anilinoethyl)amino]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

30 Methyl N-{4-[(3-fluorophenyl)amino]-6-[(2-hydroxy-2-phenylethyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-(4-[(3-fluorophenyl)amino]-6-[[2-(4-methoxyphenyl)ethyl]amino]-1,3,5-triazin-2-yl)-L-leucinate;

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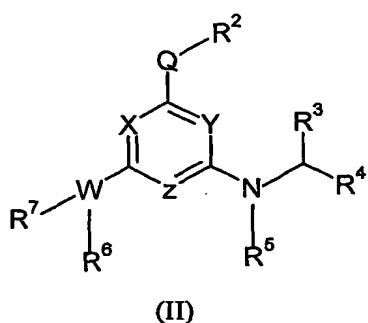
- Methyl N-{4-[(2,3-dihydroxypropyl)amino]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;
- Methyl N-[4-[(3-fluorophenyl)amino]-6-(3-hydroxypyrrolidin-1-yl)-1,3,5-triazin-2-yl]-L-leucinate;
- 5 Methyl N-{4-[(2-amino-2-oxoethyl)(methyl)amino]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;
- (2R)-2-[(4-[(3-fluorophenyl)amino]-6-[[2-(4-methoxyphenyl)ethyl]amino]-1,3,5-triazin-2-yl)amino]-4-methylpentan-1-ol;
- Methyl N-{4-[(2-cyanoethyl)(methyl)amino]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;
- 10 Methyl N-[4-[(3-fluorophenyl)amino]-6-(4-pyridin-4-ylpiperazin-1-yl)-1,3,5-triazin-2-yl]-L-leucinate;
- Methyl N-{4-(4-cyano-4-phenylpiperidin-1-yl)-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;
- 15 Methyl N-{4-[(3-fluorophenyl)amino]-6-[(3-hydroxy-2,2-dimethylpropyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;
- Methyl N-{4-[(3-fluorophenyl)amino]-6-[(3-morpholin-4-ylpropyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;
- Methyl N-{4-({2-[4-(aminosulfonyl)phenyl]ethyl}amino)-6-[(3-fluorophenyl)amino]-1,3,5-20 triazin-2-yl}-L-leucinate;
- Methyl N-{4-[(dimethylamino)ethyl]amino}-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;
- Methyl N-(4-[(3-fluorophenyl)amino]-6-[[2-(2-hydroxyethoxy)ethyl]amino]-1,3,5-triazin-2-yl)-L-leucinate;
- 25 Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-hydroxybutyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;
- Methyl N-(4-[(3-fluorophenyl)amino]-6-[[3-(2-oxopyrrolidin-1-yl)propyl]amino]-1,3,5-triazin-2-yl)-L-leucinate;
- Methyl N-[4-[(3-fluorophenyl)amino]-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl]-L-leucinate;
- 30 Methyl N-[4-[(3-fluorophenyl)amino]-6-(4-methoxybenzyl)-1,3,5-triazin-2-yl]-D-leucinate;
- Methyl N-[4-[(3-fluorophenyl)amino]-6-(4-methoxybenzyl)-1,3,5-triazin-2-yl]glycinate;
- (2S)-2-{{4-[(3-fluorophenyl)amino]-6-(4-methoxybenzyl)-1,3,5-triazin-2-yl]amino}-4-methylpentan-1-ol;

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- N²-Benzyl-N⁴-(3-fluorophenyl)-6-(4-methoxybenzyl)-1,3,5-triazine-2,4-diamine;
 N²-{4-[{(5-fluoro-2-methylphenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-
 (tetrahydrofuran-2-ylmethyl)-L-leucinamide;
 N²-{4-[{(5-fluoro-2-methylphenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-
 5 propyl-L-leucinamide;
 N²-{4-[(3-cyanophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-
 (tetrahydrofuran-2-ylmethyl)-L-leucinamide;
 N²-{4-[(5-Chloro-2-methylphenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-
 (tetrahydrofuran-2-ylmethyl)-L-leucinamide;
 10 N²-{4-[(3,5-Difluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-
 (tetrahydrofuran-2-ylmethyl)-L-leucinamide;
 Methyl N-[4-[(3-fluorophenyl)amino]-6-(4-methoxybenzyl)pyrimidin-2-yl]-L-leucinate;
 Methyl N-[2-[(3-fluorophenyl)amino]-6-(4-methoxybenzyl)pyrimidin-4-yl]-L-leucinate;
 (S)-2-[4-(3-Fluoro-phenylamino)-6-(4-methoxy-phenylsulfanyl)-1-oxy-pyridin-2-ylamino]-4-
 15 methyl-pentanoic acid methyl ester;
 2-[6-(3-Fluoro-phenylamino)-2-(4-methoxy-phenylsulfanyl)-pyrimidin-4-ylamino]-4-methyl-
 pentanoic acid methyl ester;
 (S)-2-[4-(3-Cyano-phenylamino)-6-(quinolin-8-ylsulfanyl)-pyrimidin-2-ylmethyl]-4-methyl-
 pentanoic acid (tetrahydro-furan-2-ylmethyl)-amide;
 20 (S)-2-[4-(4-Amino-phenylsulfanyl)-6-(3-cyano-phenylamino)-pyrimidin-2-ylmethyl]-4-
 methyl-pentanoic acid (tetrahydro-furan-2-ylmethyl)-amide;

19. A compound of formula (II) or a pharmaceutically acceptable salt thereof:

25



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wherein:

Q is O, S, SO or SO₂;

W is N or halogen, when W is halogen neither R⁶ nor R⁷ are present;

X is C or N, provided that when Y and Z are C, X is N;

5 Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

R² is selected from H, optionally substituted C₁₋₆alkyl, optionally substituted carbocycle, or optionally substituted heterocycle;

R³ is selected from H, or optionally substituted C₁₋₆alkyl;

10 R⁴ is selected from H, optionally substituted C₁₋₆alkyl, optionally substituted heterocycle, cyano, -C(=O)OCH₃, -C(=O)OCH₃, -C(=O)NH₂, -C(=O)NH-optionally substituted C₁₋₆alkyl, -C(=O)NH(CH₂)₀₋₃-optionally substituted carbocycle, -C(=O)NH(CH₂)₀₋₃-optionally substituted heterocycle, -C(=O)NH(CH₂)₁₋₃N(CH₃)₂, C(=O)NH(CH₂)₁₋₃C(OCH₃)₂, C(=O)NH(CH₂)₁₋₃NHC(=O)OC(CH₃)₃, -C(=O)NH(CH₂)₁₋₃O(CH₂)₁₋₃OH,
15 -C(=O)-optionally substituted heterocycle, -C(=O)NH(CH₂)₁₋₃C(=O)OCH₃, -C(=O)NH(CH₂)₁₋₃OC(CH₃)₃, -C(=O)NH(CH₂)₁₋₃SCH₃, or C(=O)NH(CH₂)₁₋₃C(=O)OH;

R⁵ is selected from H, or CH₃;

R⁴ and R⁵ in combination form an optionally substituted heterocycle;

R⁶ is selected from H or CH₃;

20 R⁷ is selected from optionally substituted C₁₋₆alkyl, optionally substituted carbocycle, optionally substituted heterocycle, or -(CH₂)₁₋₃-optionally substituted carbocycle.

20. A compound of claim 19, wherein:

Q is S.

25

21. A compound of claim 19, wherein:

W is N.

22. A compound of claim 19, wherein:

30 X is N.

23. A compound of claim 19, wherein:

X is C.

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24. A compound of claim 19, wherein:

Y is N.

5 25. A compound of claim 19, wherein:

Y is C.

26. A compound of claim 19, wherein:

Z is N.

10

27. A compound of claim 19, wherein:

Z is C.

28. A compound of claim 19, wherein:

15 R² is optionally substituted carbocycle.

29. A compound of claim 19, wherein:

R³ is optionally substituted C₁₋₆alkyl.

20 30. A compound of claim 19, wherein:

R⁴ is selected from, -C(=O)OCH₃, -C(=O)-optionally substituted heterocycle,
-C(=O)NH(CH₂)₀₋₃-optionally substituted heterocycle, or -C(=O)NH(CH₂)₁₋₃SCH₃.

25 31. A compound of claim 19, wherein:

R⁵ is selected from H, or CH₃.

32. A compound of claim 19, wherein:

R⁶ is selected from H or CH₃.

30 33. A compound of claim 19, wherein:

R⁷ is optionally substituted carbocycle.

34. A compound of claim 19:

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wherein:

- Q is S, SO or SO₂;
- W is N;
- X is C or N, provided that when Y and Z are C, X is N;
- 5 Y is C or N, provided that when X and Z are C, Y is N;
- Z is C or N, provided that when X and Y are C, Z is N;
- R² is selected from H, optionally substituted carbocycle, or optionally substituted heterocycle;
- 10 R³ is optionally substituted C₁₋₆alkyl;
- R⁴ is selected from, -C(=O)OCH₃, -C(=O)-optionally substituted heterocycle, -C(=O)NH(CH₂)₀₋₃-optionally substituted heterocycle, -C(=O)NH(CH₂)₁₋₃SCH₃, optionally substituted heterocycle, cyano, -C(=O)NH₂, -C(=O)NH-optionally substituted C₁₋₆alkyl, -C(=O)NH(CH₂)₀₋₃-optionally substituted carbocycle, -C(=O)NH(CH₂)₁₋₃N(CH₃)₂, C(=O)NH(CH₂)₁₋₃C(OCH₃)₂, C(=O)NH(CH₂)₁₋₃NHC(=O)OC(CH₃)₃, -C(=O)NH(CH₂)₁₋₃O(CH₂)₁₋₃OH, -, -C(=O)NH(CH₂)₁₋₃C(=O)OCH₃, -C(=O)NH(CH₂)₁₋₃OC(CH₃)₃, or 15 C(=O)NH(CH₂)₁₋₃C(=O)OH;
- R⁵ is H;
- R⁴ and R⁵ in combination form an optionally substituted heterocycle;
- 20 R⁶ is selected from H;
- R⁷ is selected from, optionally substituted carbocycle, optionally substituted heterocycle, or -(CH₂)₁₋₃-optionally substituted carbocycle.

35. A compound of claim 19:

wherein:

- 25 Q is S;
- W is N;
- X is C or N, provided that when Y and Z are C, X is N;
- Y is C or N, provided that when X and Z are C, Y is N;
- Z is C or N, provided that when X and Y are C, Z is N;
- 30 R² is selected from H, optionally substituted carbocycle, or optionally substituted heterocycle;
- R³ is optionally substituted C₁₋₆alkyl;

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R⁴ is selected from, -C(=O)OCH₃, -C(=O)-optionally substituted heterocycle, -C(=O)NH(CH₂)₀₋₃-optionally substituted heterocycle, -C(=O)NH(CH₂)₁₋₃SCH₃, optionally substituted heterocycle, cyano, -C(=O)NH₂, -C(=O)NH-optionally substituted C₁₋₆alkyl, -C(=O)NH(CH₂)₀₋₃-optionally substituted carbocycle, -C(=O)NH(CH₂)₁₋₃N(CH₃)₂, 5 C(=O)NH(CH₂)₁₋₃C(OCH₃)₂, C(=O)NH(CH₂)₁₋₃NHC(=O)OC(CH₃)₃, -C(=O)NH(CH₂)₁₋₃O(CH₂)₁₋₃OH, -, -C(=O)NH(CH₂)₁₋₃C(=O)OCH₃, -C(=O)NH(CH₂)₁₋₃OC(CH₃)₃, or C(=O)NH(CH₂)₁₋₃C(=O)OH;

R⁵ is H;

R⁴ and R⁵ in combination form an optionally substituted heterocycle;

10 R⁶ is selected from H;

R⁷ is selected from, optionally substituted carbocycle, optionally substituted heterocycle, or -(CH₂)₁₋₃-optionally substituted carbocycle.

36. A compound of claim 19:

15 wherein:

Q is S;

W is N;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

20 Z is C or N, provided that when X and Y are C, Z is N;

R² is selected from H, optionally substituted carbocycle;

R³ is optionally substituted C₁₋₆alkyl;

R⁴ is selected from, -C(=O)OCH₃, -C(=O)-optionally substituted heterocycle,

-C(=O)NH(CH₂)₀₋₃-optionally substituted heterocycle, -C(=O)NH(CH₂)₁₋₃SCH₃,

25 optionally substituted heterocycle, cyano, -C(=O)NH₂, -C(=O)NH-optionally substituted C₁₋₆alkyl, -C(=O)NH(CH₂)₀₋₃-optionally substituted carbocycle, -C(=O)NH(CH₂)₁₋₃N(CH₃)₂, C(=O)NH(CH₂)₁₋₃C(OCH₃)₂, C(=O)NH(CH₂)₁₋₃NHC(=O)OC(CH₃)₃, -C(=O)NH(CH₂)₁₋₃O(CH₂)₁₋₃OH, -, -C(=O)NH(CH₂)₁₋₃C(=O)OCH₃, -C(=O)NH(CH₂)₁₋₃OC(CH₃)₃, or C(=O)NH(CH₂)₁₋₃C(=O)OH;

30 R⁵ is H;

R⁶ is selected from H;

R⁷ is selected from, optionally substituted carbocycle, optionally substituted heterocycle, or -(CH₂)₁₋₃-optionally substituted carbocycle.

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37. A compound of claim 19:

wherein:

- Q is S;
- 5 W is N;
- X is C or N, provided that when Y and Z are C, X is N;
- Y is C or N, provided that when X and Z are C, Y is N;
- Z is C or N, provided that when X and Y are C, Z is N;
- R² is an optionally substituted carbocycle;
- 10 R³ is optionally substituted C₁₋₆alkyl;
- R⁴ is selected from, -C(=O)OCH₃, -C(=O)-optionally substituted heterocycle, -C(=O)NH(CH₂)₀₋₃-optionally substituted heterocycle, -C(=O)NH(CH₂)₁₋₃SCH₃, optionally substituted heterocycle, cyano, -C(=O)NH₂, -C(=O)NH-optionally substituted C₁₋₆alkyl, -C(=O)NH(CH₂)₀₋₃-optionally substituted carbocycle, -C(=O)NH(CH₂)₁₋₃N(CH₃)₂,
- 15 C(=O)NH(CH₂)₁₋₃C(OCH₃)₂, C(=O)NH(CH₂)₁₋₃NHC(=O)OC(CH₃)₃, -C(=O)NH(CH₂)₁₋₃O(CH₂)₁₋₃OH, -C(=O)NH(CH₂)₁₋₃C(=O)OCH₃, -C(=O)NH(CH₂)₁₋₃OC(CH₃)₃, or C(=O)NH(CH₂)₁₋₃C(=O)OH;
- R⁵ is H;
- R⁶ is selected from H;
- 20 R⁷ is optionally substituted carbocycle.,

38. A compound of claim 19:

wherein:

- Q is S;
- 25 W is N;
- X is C or N, provided that when Y and Z are C, X is N;
- Y is C or N, provided that when X and Z are C, Y is N;
- Z is C or N, provided that when X and Y are C, Z is N;
- R² is an optionally substituted carbocycle;
- 30 R³ is optionally substituted C₁₋₆alkyl;
- R⁴ is selected from, -C(=O)OCH₃, -C(=O)-optionally substituted heterocycle, -C(=O)NH(CH₂)₀₋₃-optionally substituted heterocycle, -C(=O)NH(CH₂)₁₋₃SCH₃,

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optionally substituted heterocycle, -C(=O)NH₂, -C(=O)NH(CH₂)₀₋₃-optionally substituted carbocycle;

R⁵ is H;

R⁶ is selected from H;

5 R⁷ is optionally substituted carbocycle.

39. A compound of claim 19:

wherein:

Q is S;

10 W is N;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

R² is optionally substituted carbocycle;

15 R³ is optionally substituted C₁₋₆alkyl;

R⁴ is selected from, -C(=O)OCH₃, -C(=O)-optionally substituted heterocycle,
-C(=O)NH(CH₂)₀₋₃-optionally substituted heterocycle, or -C(=O)NH(CH₂)₁₋₃SCH₃;

R⁵ is selected from H;

R⁶ is selected from H;

20 R⁷ is optionally substituted carbocycle.

40. A compound according to claim 19 selected from:

Methyl N-{4-(4-methoxyphenoxy)-6-[(thien-2-ylmethyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

25 Methyl N-[4-(4-methoxyphenoxy)-6-(2-pyridin-4-ylethyl)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-[4-[(2,3-dihydroxypropyl)amino]-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-{4-(4-methoxyphenoxy)-6-[(tetrahydrofuran-2-ylmethyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

30 Methyl N-[4-[(3-fluorobenzyl)amino]-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-[4-[(2-methoxybenzyl)amino]-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;

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- Methyl N-[4-[(3,5-difluorobenzyl)amino]-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;
- Methyl N-[4-[(3,5-dichlorobenzyl)amino]-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;
- 5 Methyl N-[4-(benzylamino)-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;
- Methyl N-[4-(butylamino)-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;
- Methyl N-[4-(pentylamino)-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;
- Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}glycinate;
- 10 (2R)-2-({4-[(5-Chloro-2-methylphenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}amino)-4-methylpentan-1-ol;
- Methyl N-{4-[(5-chloro-2-methylphenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinate;
- Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-
- 15 leucinate;
- 1-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}pyrrolidin-3-ol;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinamide;
- N²-(3-fluorophenyl)-N⁴-isopentyl-6-[(4-methoxyphenyl)thio]-1,3,5-triazine-2,4-diamine
- (2S)-2-({4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}amino)-4-
- 20 methylpentan-1-ol;
- Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-
- phenylalaninate;
- 2-({4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}amino)propan-1-ol;
- 25 N²-(2,2-Dimethoxyethyl)-N⁴-(3-fluorophenyl)-6-[(4-methoxyphenyl)thio]-1,3,5-triazine-2,4-diamine;
- Ethyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-b-alaninate;
- 3-[{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}(methyl)amino]propanenitrile;
- 30 Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-alaninate;

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- Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-D-leucinate;
- Methyl N-{4-[(2,3-dihydroxypropyl)thio]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;
- 5 Methyl N-{4-[(3-fluorophenyl)amino]-6-[(3-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinate;
- Methyl N-{4-[(3-fluorophenyl)(methyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinate;
- (2R)-2-({4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}amino)-4-10 methylpentan-1-ol;
- Methyl N-{4-[(3-fluorophenyl)amino]-6-[(2-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinate;
- Methyl N-[4-[(3-fluorophenyl)amino]-6-(phenylthio)-1,3,5-triazin-2-yl]-L-leucinate;
- Methyl N-[4-[(3-fluorophenyl)amino]-6-(quinolin-2-ylthio)-1,3,5-triazin-2-yl]-L-leucinate;
- 15 Methyl N-{4-[(4-aminophenyl)thio]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;
- Methyl N-{4-[(3-bromophenyl)thio]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;
- Methyl N-[4-[(3-fluorophenyl)amino]-6-(pyrimidin-2-ylthio)-1,3,5-triazin-2-yl]-L-leucinate;
- 20 Methyl N-{4-[(2-(dimethylamino)ethyl)thio]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;
- Methyl N-{4-((1-[2-(dimethylamino)ethyl]-1H-tetraazol-5-yl)thio)-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;
- Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)sulfinyl]-1,3,5-triazin-2-yl}-L-25 leucinate;
- Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)sulfonyl]-1,3,5-triazin-2-yl}-L-leucinate;
- N¹-[2-(Dimethylamino)ethyl]-N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinamide;
- 30 N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-N¹-(tetrahydrofuran-2-ylmethyl)-L-leucinamide;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-N¹-(2-morpholin-4-ylethyl)-L-leucinamide;

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- N¹-{2-[(tert-Butoxycarbonyl)amino]ethyl}-N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinamide;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-N¹-(pyridin-3-ylmethyl)-L-leucinamide;
- 5 N¹-(3,5-Difluorobenzyl)-N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinamide;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-N¹-(2-furylmethyl)-L-leucinamide;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-N¹-[3-(2-
- 10 oxopyrrolidin-1-yl)propyl]-L-leucinamide;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-N¹-(3-methoxybenzyl)-L-leucinamide;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-N¹-(2-piperidin-1-ylethyl)-L-leucinamide;
- 15 N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-N¹-[2-(2-hydroxyethoxy)ethyl]-L-leucinamide;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-N¹-phenyl-L-
- leucinamide;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-N¹-propyl-L-
- 20 leucinamide;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-N¹-(2-pyrrolidin-1-ylethyl)-L-leucinamide;
- N²-{(3-fluorophenyl)-6-[(4-methoxyphenyl)thio]-N⁴-[(1S)-3-methyl-1-(morpholin-4-ylcarbonyl)butyl]-1,3,5-triazine-2,4-diamine};
- 25 N¹-{2-[4-(aminosulfonyl)phenyl]ethyl}-N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinamide;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-N¹-[2-(1-methylpyrrolidin-2-yl)ethyl]-L-leucinamide;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-N¹-(3-
- 30 methoxypropyl)-L-leucinamide;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-N¹-(pyridin-2-ylmethyl)-L-leucinamide;

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- Methyl N-{2-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-4-yl}-L-leucinate;
- Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-L-leucinate;
- 5 N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-leucine;
- N-{4-[(3-fluorophenyl)(methyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-L-leucine;
- N-{4-chloro-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N-methyl-leucine;
- Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N-methylleucinate;
- 10 N²-{4-[(3-fluorophenyl)amino]-6-(quinolin-2-ylthio)pyrimidin-2-yl}-N¹-(tetrahydrofuran-2-ylmethyl)-L-leucinamide;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-(2-furylmethyl)-L-leucinamide;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-
- 15 (tetrahydrofuran-2-ylmethyl)-L-leucinamide;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-propyl-L-leucinamide;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-(2-morpholin-4-ylethyl)-L-leucinamide;
- 20 N¹-(2,2-methoxyethyl)-N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-L-leucinamide;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-(2-pyridin-2-ylethyl)-L-leucinamide;
- Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-L-
- 25 leucylglycinate;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-[3-(1H-imidazol-1-yl)propyl]-L-leucinamide;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-(2-isopropoxyethyl)-L-leucinamide;
- 30 N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-[2-(methylthio)ethyl]-L-leucinamide;
- N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-pentyl-L-leucinamide;

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- N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-L-leucylglycine;
N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-[2-(1H-imidazol-5-yl)ethyl]-L-leucinamide;
N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-methoxy-N¹-
5 methyl-L-leucinamide;
N²-{2-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-4-yl}-N¹-(2-morpholin-4-ylethyl)-L-leucinamide;
N²-{2-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-4-yl}-N¹-
(tetrahydrofuran-2-ylmethyl)-L-leucinamide;
10 N²-{2-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-4-yl}-N¹-propyl-L-
leucinamide;
(S)-2-[4-(3-Cyano-phenylamino)-6-(thiazol-2-ylsulfanyl)-pyrimidin-2-ylmethyl]-4-methyl-
pentanoic acid (tetrahydro-furan-2-ylmethyl)-amide;
(S)-2-[4-(3-Cyano-phenylamino)-6-(pyridin-2-ylsulfanyl)-pyrimidin-2-ylmethyl]-4-methyl-
15 pentanoic acid (tetrahydro-furan-2-ylmethyl)-amide;
N²-{4-[(3-Methyl-propyl)thio]amino}-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-
(tetrahydrofuran-2-ylmethyl)-L-leucinamide N²-{4-[(2-Pyridyl)amino]-6-[(4-
methoxyphenyl)thio]pyrimidin-2-yl}-N¹-(tetrahydrofuran-2-ylmethyl)-L-leucinamide
(S)-2-[4-(3-Cyano-phenylamino)-6-(4-methoxy-phenylsulfanyl)-pyrimidin-2-ylmethyl]-4-
20 methyl-pentanoic acid (2-methylsulfanyl-ethyl)-amide;
N²-{2-[(3-Fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-4-yl}-N¹-1-morpholin-4-yl-L-leucinamide
2-[6-(3-Fluoro-phenylamino)-2-(4-methoxy-phenylsulfanyl)-pyrimidin-4-ylamino]-4-methyl-
pentanoic acid methyl ester;
25 (S)-2-[6-(3-Fluoro-phenylamino)-4-(4-methoxy-phenylsulfanyl)-pyridin-2-ylamino]-4-
methyl-pentanoic acid methyl ester;
N²-(3-Fluoro-phenyl)-6-(4-methoxy-phenylsulfanyl)-N⁴-(3-methyl-1-pyridin-2-yl-butyl)-
pyrimidine-2,4-diamine;
N⁴-(3-Fluoro-phenyl)-6-(4-methoxy-phenylsulfanyl)-N²-(3-methyl-1-pyridin-2-yl-butyl)-
30 pyrimidine-2,4-diamine;
(S)-2-[4-(3-Cyano-phenylamino)-6-(quinolin-8-ylsulfanyl)-pyrimidin-2-ylmethyl]-4-methyl-
pentanoic acid (tetrahydro-furan-2-ylmethyl)-amide;

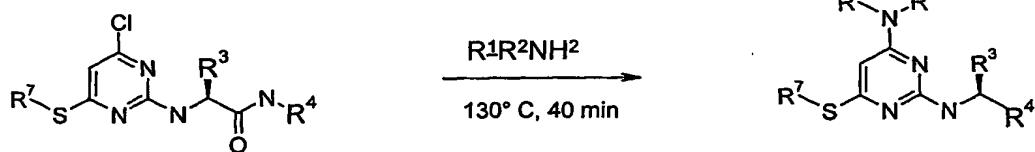
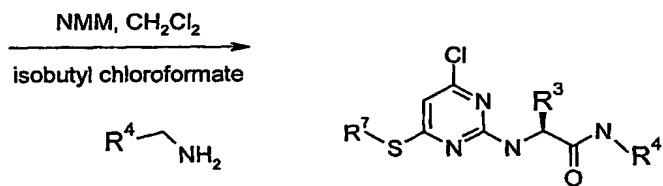
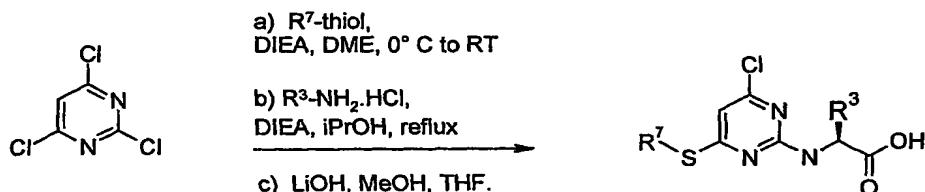
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- (S)-2-[4-(4-Amino-phenylsulfanyl)-6-(3-cyano-phenylamino)-pyrimidin-2-ylmethyl]-4-methyl-pentanoic acid (tetrahydro-furan-2-ylmethyl)-amide;
- (S)-2-[3-(3-Fluoro-phenylamino)-5-(4-methoxy-phenylsulfanyl)-phenylamino]-4-methyl-pentanoic acid methyl ester;
- 5 (S)-2-[2-(3-Fluoro-phenylamino)-6-(4-methoxy-phenylsulfanyl)-pyridin-4-ylamino]-4-methyl-pentanoic acid methyl ester;
- (S)-2-[6-(3-Fluoro-phenylamino)-4-(4-methoxy-phenylsulfanyl)-1-oxy-pyridin-2-ylamino]-4-methyl-pentanoic acid methyl ester;
- (S)-2-[4-(3-Fluoro-phenylamino)-6-(4-methoxy-phenylsulfanyl)-pyridin-2-ylamino]-4-10 methyl-pentanoic acid methyl ester.
41. A compound according to any one of claims 1-40, for use as a medicament.
42. The use of a compound according to any one of claims 1-40 in the manufacture of a 15 medicament for the treatment or prophylaxis of disorders associated with β -amyloid production.
43. The use of a compound according to any one of claims 1-40 in the manufacture of a medicament for the treatment or prophylaxis of Alzheimer's disease or Down's syndrome.
- 20 44. A method for the treatment of neurological disorders associated with β -amyloid production comprising administering to a warm-blooded animal in need of such treatment a therapeutically effective amount of a compound according to any one of claims 1-40.
- 25 45. A method for inhibiting γ -secretase activity comprising administering to a warm-blooded animal in need of such inhibition a therapeutically effective amount of a compound according to any one of claims 1-40.
- 30 46. A method for the treatment or prophylaxis of Alzheimer's disease or Down's syndrome comprising administering to a warm-blooded animal in need of such treatment a therapeutically effective amount of a compound according to any one of claims 1-40.

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47. A pharmaceutical composition comprising a compound according to any one of claims 1-40, or a pharmaceutically acceptable salt or in vivo hydrolysable ester therof, together with at least one pharmaceutically acceptable carrier, diluent or excipient.

5 48. A process for preparing a compound of formula (I) as recited in claim 1 or a pharmaceutically acceptable salt or in vivo hydrolysable ester therof which process comprises:



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49. A process for preparing a compound of formula (II) as recited in claim 19 or a pharmaceutically acceptable salt or in vivo hydrolysable ester therof which process comprises:

